

A: Amend the claims as follows:

1. through 11. (Cancelled)

12. (New) Management system for managing distributed resources (11-16;61-66) comprising a digital computer managed system having an internal control system to provide for Stateful Web Services including a workflow engine (8:88) that can execute management workflows in order to actively control the distributed resources (11-16; 61-66), characterized in that autonomic Correlation Services (74-76) are introduced, providing multiple autonomic Correlation Services for monitoring and controlling part of said managed system that manage different functional parts of the managed system in cooperation with the workflow engine (88), whereby each Correlation Service (74-76) employs a Correlation Engine (174, 175) and a set of rules (184,185,196) that describe how underlying resources (61-66) shall be managed in a Correlation Model, whereby a controller (44) communicates with the Correlation Services (74-76).

13. (New) Management system according to claim 12, characterized in that the Correlation Services (74-76) directly (92) communicate with resources (61-66).

14. (New) Management system according to claim 12, characterized in that rules for filtering low-level events issued by resources (61-66) are deployed in an Event Service Application (50) that is used to filter high-level events from low-level events.

15. (New) Management system according to claim 14, characterized in that the controller (44) communicates with the Event Service Application (50).

16. (New) Management System according to claim 12, characterized in that the Correlation Services are modeled as Stateful Web Services.

17. (New) Method for managing distributed resources in a digital computer, ~~characterized in that~~ comprising: steps executed by a digital computer managed system having an internal control system to provide for Stateful Web Services implementing

- a) a user ~~defines a~~ defined Correlation Model comprising the definitions of several Correlation Services for different functional parts of the managed system providing multiple autonomic Correlation Services for monitoring and controlling part of said distributed system; and
- b) wherein a ~~the~~ controller of said internal control system instantiates Correlation Services (74-76) as running Stateful Web Services in accordance with the definitions of the Correlation Model.

18. (New) Method according to claim 17, characterized in that handles to all of the resources managed by a Correlation Service (74-76),— are stored within that Correlation Service.

19. (New) Method according to claim 17, characterized in that high-level events are defined on which a specific Correlation Service (74-76) shall react, and in that the respective Correlation Service (74-76) creates subscriptions with an Event Service (50) in order to be notified when such events are detected.

20. (New) Method according to claim 17, characterized in that higher-level Correlation Services use Web Service introspection to see,— which events are issued by another Correlation Service (75, 76).

21. (New) Method according to claim 17, characterized in that the Correlation Services (74-76) trigger the execution of workflows in order to actively manage their resources (61-66).

22. (New) Computer program product stored in the internal memory of a digital computer, in combination with said digital computer, said combination comprising: a digital computer

managed system having an internal control system to provide for Stateful Web Services and executable code stored in said internal memory containing parts of software code to provide ~~execute the method in accordance with claims 6 to 10~~

- a) a user defined Correlation Model comprising the definitions of several Correlation Services for different functional parts of the managed system; and to execute
- b) software code stored in the internal memory of said digital computer for instantiating Correlation Services (74-76) as running said Stateful Web Services in accordance with the definitions of the Correlation Model by a controller.

23. (New) The computer program product of claim 22, characterized in that handles to all of the resources managed by a Correlation Service (74-76) are stored within that Correlation Service.

24. (New) The computer program product of claim 22, characterized in that high-level events are defined on which a specific Correlation Service (74-76) shall react, and in that the respective Correlation Service (74-76) creates subscriptions with an Event Service (50) in order to be notified when such events are detected.

25. (New) The computer program product of claim 22, characterized in that higher-level Correlation Services use Web Service introspection to see which events are issued by another Correlation Service (75, 76).

26. (New) The computer program product of claim 22, characterized in that the Correlation Services (74-76) trigger the execution of workflows in order to actively manage their resources (61-66).